

ASSAYS FOR IDENTIFYING RECEPTORS HAVING ALTERATIONS
IN SIGNALING

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Abstract of the Disclosure

The present invention provides methods of identifying receptors having altered signaling. In particular, the present invention provides an assay for the identification of receptors having alterations in ligand dependent or ligand independent signaling. Receptors having alterations in ligand dependent signaling that can be identified by the inventive method include hypersensitive hyposensitive receptors and receptors having increased or decreased potency. The inventive method is also applicable to the identification of receptors having alterations in basal activity, for example, constitutively active receptors or receptors having silencing mutations. Further applications include the identification of polymorphic or mutant receptors having alterations in signaling and receptors having an altered drug response. Finally, the receptors identified are useful as tools for drug discovery.

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